



FF5 Project (Fuzz Face™ Replica) NPN Silicon Transistor Version Bill of Materials

Version 2009May26

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1 (optional)	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R2	33k	 orange-orange-orange	 orange-orange-black-red
R3	100k	 brown-black-yellow	 brown-black-black-orange
R4	330 ohm	 orange-orange-brown	 orange-orange-black-black
R5 (if R5T is Jumpered)	8k2 (8.2k)	 gray-red-red	 gray-red-black-brown
R5 (if using R5T)	1k	 brown-black-red	 brown-black-black-brown
R5T (optional)	10k Trimmer Potentiometer		
R6	1k Linear Potentiometer		
R7	None		
R8	None		
R9	0 ohm or jumper wire	 black	 black
R10	500k Audio Potentiometer		
R11	1k	 brown-black-red	 brown-black-black-brown
R12	None		

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	2.2 μ F	Aluminum Electrolytic	2.2 μ F
C2	22 μ F	Aluminum Electrolytic	22 μ F
C3	0.01 μ F	Film	103
C4 (optional)	100pF or 10pF	Ceramic	101 or 10



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C5	none		
C6 (optional)	100µF	Aluminum Electrolytic	100µF
C7	None		

Potentiometers:

Part ID	Value	Type
R6 - Fuzz Control	1k	Linear Taper
R10 - Volume Control	500k	Log (or Audio) Taper

Other:

Part ID	Part Name
D1	none
D2	none
D3	1N914 (optional)
D4	LED
Q1	Low Gain NPN Transistor (See Instructions)
Q2	Low Gain NPN Transistor (See Instructions)
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs

Examples of low-gain NPN bipolar junction transistors:

- 2N3904
- 2N2222 Can
- BC108A
- BC109A



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- many others